



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/659,237	09/10/2003	Yasuhiro Mori	MTS-3302US1	3510
23122	7590	03/08/2007		
RATNERPRESTIA P O BOX 980 VALLEY FORGE, PA 19482-0980			EXAMINER AHMED, MOHAMED MAHMOUD	
			ART UNIT 3736	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE			MAIL DATE	DELIVERY MODE
3 MONTHS			03/08/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/659,237

Applicant(s)

MORI, YASUHIRO

Examiner

Mohamed Ahmed

Art Unit

3736

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-51 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-51 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 09/10/2003, 10/29/2004.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Specification

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, **such as "means"** and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Claim Objections

Claim 29 is objected to because of the following informalities: The examiner suggests the applicant amend claim 29 to state: "A program on a computer readable tangible medium for operating a CPU." Appropriate correction is required. Appropriate amendments should also be made for claim 30.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

The term "inspection item" in claims 31-32, 34-40, 42-48, and 50-51 is a relative term, which renders the claims indefinite. The term "inspection item" is not defined by

Art Unit: 3736

the claims, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. Appropriate correction is required.

The term "judgment server" in claims 31-32, 36-40, 44-47, and 50-51, is a relative term, which renders the claims indefinite. The term "judgment server" is not defined by the claims, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. Appropriate correction is required.

Not to applicant: The application and/or the claims appear to be a direct translation from a foreign document. Due to the direct translation, the claims are so indefinite that it is virtually impossible for the examiner to determine the exactly what the applicant is intending to claim. The following action is therefore of necessity based on the examiner's best guess of what applicant is trying to claim.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 29 and 30 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The applicant claims in claim 29, "a program of operating a computer . . ." Applicant should properly claim a computer readable medium and not non-statutory matter. In claim 30, applicant claims "data structure which could be used in a computer" Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 5-23, and 27-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Amano et al. US Patent Number 6,030,342.

5. An information server of communicating with a terminal capable of being connected to detecting means of detecting vital signs, wherein:

said terminal communicates also with a program server for storing a program and/or data to make said detecting means operate; (column 12, lines 7-65)

when an operation switch of said detecting means is turned ON and thereby said terminal transmits information including the type of said detecting means to said program server, said program server receives said information and then transmits a predetermined program and/or data corresponding to said information to said terminal; (column 12, lines 7-65)

said detecting means operates according to said predetermined program and/or data received by said terminal, and thereby detects vital signs; and (column 12, lines 7-65)

when said terminal transmits the vital signs detected by said detecting means, said information server receives said vital signs. (column 12, lines 7-65)

6. A vital signs processing apparatus comprising:

vital signs detecting means of detecting vital signs; and vital signs processing means of processing, storing, and displaying said vital signs detected by said vital signs detecting means; wherein: (column 12, lines 7-65)

said vital signs detecting means comprises at least:

buffering means of temporarily storing said detected vital signs; and (column 32, lines 13-23)

first communicating means of communicating with said vital signs processing means; (column 12, lines 7-65)

said vital signs processing means comprises at least: second communicating means of communicating with said vital signs detecting means; (column 12, lines 7-65)

storing means of storing said vital signs; processing means of processing said vital signs stored in said storing means according to a predetermined program and/or data; and (column 12, lines 7-65)

displaying means of displaying said vital signs stored in said storing means and/or output data of said processing means. (column 12, lines 7-65)

7. The vital signs processing apparatus according to claim 6 wherein said vital signs processing means further comprises third communicating means of communicating with an external server. (column 21, lines 57-68, column 22, lines 1-26)

8. The vital signs processing apparatus according to claim 6 wherein:
said buffering means and said storing means comprise a removable medium which can be detached; and (figures 25-27)

said removable medium is transferred between said vital signs detecting means and said vital signs processing means, whereby the data stored in said removable medium is transferred. (column 12, lines 7-65)

9. The vital signs processing apparatus according to any of claims 6-8, wherein:

said vital signs detecting means is composed of a pulse wave sensor for measuring the pulse wave of a user; and (column 12, lines 7-65)

said processing means comprises: frequency processing means of performing FFT (fast Fourier transformation) processing onto the frequency of said pulse wave; (column 2, lines 2-63)

heart rate measuring means of measuring heart rate from the output of said frequency processing means; and (column 2, lines 2-63)

calorie consumption calculating means of calculating calorie consumption from said heart rate. (column 2, lines 2-63)

10. The vital signs processing apparatus according to claim 9 wherein:

said vital signs processing means further comprises FFT processing means of performing FFT processing onto said heart rate; (column 2, lines 2-63)

according to the result of said FFT processing, it is determined whether said user is exercising or not; and (column 2, lines 2-63)

when it is determined that said user is not exercising, and when said heart rate exceeds a predetermined set value, said calorie consumption calculating means does not use said measured heart rate, but calculates calorie consumption according to said user's resting heart rate stored previously. (column 2, lines 2-63)

11. The vital signs processing apparatus according to claim 9 further comprising inputting means of permitting a user to input:

personal data including one's name, age, and sex; health control indices including daily, weekly, monthly, and final target values for calorie consumption; and exercise indices including upper and lower limits for heart rate at exercise, and exercise time. (column 1, lines 20-62)

12. The vital signs processing apparatus according to claim 11 wherein said health control indices and said exercise indices are displayed on said displaying means. (figure 9)

Art Unit: 3736

13. The vital signs processing apparatus according to claim 9 further comprising notifying means of warning said user when said heart rate falls outside the range between said upper and lower limits for heart rate having been input through said inputting means. (column 1, lines 20-62)

14. The vital signs processing apparatus according to claim 11 wherein:

said processing means performs: the accumulation of said calorie consumption; the calculation of the difference from said target value; (column 2, lines 2-63)

the calculation of the degree of achievement to said target value; and the calculation of the expected time of achieving said target value at the current pace of calorie consumption; and (column 2, lines 2-63)

then stores these data in a region different from that of said vital signs data, within said storing means; and said displaying means displays: the time series of the change in said heart rate and said calorie consumption; (column 2, lines 2-63)

said accumulated value of calorie consumption; and said expected time of achieving said target value. (column 1, lines 20-62)

15. The vital signs processing apparatus according to claim 6 wherein:

said vital signs detecting means is used as said detecting means connected to said terminal in claim 3; and (column 2, lines 2-63)

said vital signs processing means is used as said terminal in claim 3. (column 2, lines 2-63)

16. The vital signs processing apparatus according to claim 6 wherein said vital signs detecting means and said vital signs processing means are used as said detecting means connected to said terminal in claim 3. (column 2, lines 2-63)

17. A health control method wherein a vital signs processing apparatus according to any of claims 7, 5 or 16 is used, whereby the health of a user of said vital signs processing apparatus is controlled according to instructions from a health control instructor who is a server user of said information server or said server, wherein said method comprises: (column 2, lines 2-63)

a first step in which said information server or said server generates a health control program including all or part of the exercise indices, the exercise menu, and the health control indices of said user of said health vital signs processing apparatus according to a user chart containing vital signs including the height, the weight, the body fat percentage, and the temperature of said user, and then transmits said program to said vital signs processing apparatus; (column 1, lines 20-62)

a second step in which said vital signs processing apparatus receives said health control program, and in which said user uses said vital signs processing apparatus in accordance with said health control program, and thereby acquires said user's vital signs; (column 1, lines 20-62)

a third step in which said information server or said server renews said health control program according to said acquired measurement data; and a fourth step in

Art Unit: 3736

which when said measurement data falls outside the range of the values set in said health control program, said vital signs processing apparatus transmits warning information for requesting attention to said information server or said server; and (column 1, lines 20-62, column 2, lines 2-63)

wherein: on recognizing said warning information, said health control instructor determines and alters said exercise indices and/or said exercise menu in said health control program according to said warning information; (column 7, lines 7-68, column 8, lines 1-61)

said information server or said server transmits said altered exercise indices and/or exercise menu to said vital signs processing apparatus; and (column 7, lines 7-68, column 8, lines 1-61)

when said vital signs processing apparatus receives said altered exercise indices and/or exercise menu, said user takes exercise according to said exercise indices and/or exercise menu. (column 7, lines 7-68, column 8, lines 1-61)

18. The health control method according to claim 17 wherein:

said vital signs processing apparatus transmits prompt information for requesting the renewal of said measurement data, to said user; (column 1, lines 20-62, column 2, lines 2-63)

on recognizing said prompt information, said user determines and operates said vital signs processing apparatus according to said prompt information; and (column 1, lines 20-62, column 2, lines 2-63)

said vital signs processing apparatus acquires new measurement data, and then transmits them to said information server or said server. (column 1, lines 20-62, column 2, lines 2-63)

19. The health control method according to claim 17 wherein:

said information server or said server transmits prompt information for requesting the renewal of said acquired measurement data, to said user; (column 1, lines 20-62, column 2, lines 2-63)

on recognizing said prompt information, said user of said vital signs processing apparatus determines and operates said information server or said server according said prompt information; and (column 1, lines 20-62, column 2, lines 2-63)

on receiving new measurement data, said information server or said server generates a new health control program based on said data. (column 1, lines 20-62, column 2, lines 2-63)

20. The health control method according to claim 18 or 19 wherein said prompt information is output when said measurement data is not renewed for a predetermined time or longer. (column 1, lines 20-62, column 2, lines 2-63)

21. The health control method according to claim 18 wherein said prompt information includes the method of operation of said vital signs processing apparatus for said user to renew said measurement data. (column 1, lines 20-62, column 2, lines 2-63)

22. The health control method according to claim 19 wherein said prompt information includes the operation method of said information server or said server for said user of said vital sign processing apparatus. (column 1, lines 20-62, column 2, lines 2-63)

23. The health control method according to claim 17 wherein:

said information server or said server further comprises a user ID (identifier) table for storing user IDs for corresponding the user chart of each user to that user uniquely; and (column 1, lines 20-62, column 2, lines 2-63)

said user ID is transmitted together with said health control program to said health control apparatus. (column 1, lines 20-62, column 2, lines 2-63)

27. A program of operating a computer as all or part of said information server according to claim 5 for communicating with said terminal capable of being connected to detecting means of detecting vital signs. (column 1, lines 20-62, column 2, lines 2-63)

28. A program of operating a computer as all or part of said processing means of said vital signs processing means of said vital signs processing apparatus according to claim 6. (column 1, lines 20-62, column 2, lines 2-63)

Art Unit: 3736

29. A program of operating a computer to carry out all or part of said first, second, third, and fourth steps in said health control method according to claim 17. (column 2, lines 2-63)

30. Data structure which can be used in a computer and comprises all or part of the data structure in said first, second, third, and fourth steps in said health control method according to claim 17. (column 2, lines 2-63)

Claims 1-4, 24-26, and 31-51 are rejected under 35 U.S.C. 102(e) as being anticipated by Maschke et al. US Patent Number 6,221,012 B1.

1. A vital signs detection system comprising:

a terminal capable of being connected to detecting means of detecting vital signs; (column 2, lines 42-63)

a program server of storing a program and/or data to operate said detecting means; and (column 2, lines 42-63, column 4, lines 4-22)

an information server of communicating with said terminal; wherein:

when an operation switch of said detecting means is turned ON, said terminal transmits information including the type of said detecting means to said program server; (column 2, lines 42-63, column 4, lines 4-22)

on receiving said information, said program server transmits a predetermined program and/or data corresponding to said information to said terminal according to said information; (column 2, lines 42-63, column 4, lines 4-22)

said detecting means operates according to said predetermined program and/or data received by said terminal, and thereby detects vital signs; and (column 2, lines 42-63, column 4, lines 4-22)

said terminal transmits the vital signs detected by said detecting means to said information server. (column 2, lines 42-63, column 4, lines 4-22)

2. A vital signs detection method utilizing:

a terminal capable of being connected to detecting means of detecting vital signs; (column 2, lines 42-63, column 4, lines 4-22)

a program server of storing a program and/or data to make said detecting means operate; and (column 2, lines 42-63, column 4, lines 4-22)

an information server of communicating with said terminal; and comprising:
(column 2, lines 42-63, column 4, lines 4-22)

the step in which when an operation switch of said detecting means is turned ON, said terminal transmits information including the type of said detecting means to said program server; (column 2, lines 42-63, column 4, lines 4-22)

the step in which on receiving said information, said program server transmits a predetermined program and/or data corresponding to said information to said terminal;
(column 2, lines 42-63, column 4, lines 4-22)

the step in which said detecting means operates according to said predetermined program and/or data received by said terminal, and thereby detects vital signs; and
(column 2, lines 42-63, column 4, lines 4-22)

Art Unit: 3736

the step in which said terminal transmits the vital signs detected by said detecting means to said information server. (column 2, lines 42-63, column 4, lines 4-22, column 14, lines 64-68, column 15, lines 1-14)

3. A terminal capable of being connected to detecting means of detecting vital signs, wherein:

said terminal communicates with a program server of storing a program and/or data to make said detecting means operate, and with an information server for storing vital signs detected by said detecting means; (column 2, lines 42-63, column 4, lines 4-22)

when an operation switch of said detecting means is turned ON, said terminal transmits information including the type of said detecting means to said program server; (column 2, lines 42-63, column 4, lines 4-22)

on receiving said information, said program server transmits a predetermined program and/or data to said terminal according to said information; (column 2, lines 42-63, column 4, lines 4-22)

said detecting means operates according to said predetermined program and/or data received by said terminal, and thereby detects vital signs; and (column 2, lines 42-63, column 4, lines 4-22)

said terminal transmits the vital signs detected by said detecting means to said information server. (column 2, lines 42-63, column 4, lines 4-22)

Art Unit: 3736

4. A program server for communicating with a terminal capable of being connected to detecting means of detecting vital signs, and for storing a program and/or data to make said detecting means to operate, wherein: (column 2, lines 42-63, column 4, lines 4-22)

when an operation switch of said detecting means is turned ON and thereby said terminal transmits information including the type of said detecting means, said program server receives said information and then transmits a predetermined program and/or data corresponding to said information to said terminal according to said information; (column 2, lines 42-63, column 4, lines 4-22)

said detecting means operates according to said predetermined program and/or data received by said terminal, and thereby detects vital signs; and (column 2, lines 42-63, column 4, lines 4-22)

said terminal transmits the vital signs detected by said detecting means to said information server. (column 2, lines 42-63, column 4, lines 4-22)

24. A program of operating a computer as all or part of said terminal capable of being connected to detecting means of detecting vital signs;

said program server for storing a program and/or data for causing said detecting means to operate; and (column 2, lines 42-63, column 4, lines 4-22)

said information server for communicating with said terminal; in said vital signs detection system according to claim 1. (column 2, lines 42-63, column 4, lines 4-22)

25. A program of operating a computer as all or part of said terminal according to claim 3 capable of being connected to detecting means of detecting vital signs. (column 2, lines 42-63, column 4, lines 4-22)

26. A program of operating a computer as all or part of said program server according to claim 4 for communicating with said terminal capable of being connected to detecting means of detecting vital signs, and for storing a program and/or data for causing said detecting means to operate. (column 2, lines 42-63, column 4, lines 4-22)

31. A vital signs detection system comprising:

a terminal having detecting means of detecting, vital signs corresponding to an inspection item; (column 2, lines 42-63, column 4, lines 4-22)

a program server of storing a program and/or data to make said detecting means operate; and an inspection item judgment server of communicating with said terminal and thereby judging said inspection item according to said vital signs; (column 2, lines 42-63, column 4, lines 4-22)

wherein: when said terminal is started, said inspection item judgment server judges a predetermined inspection item according to said vital signs corresponding to said predetermined inspection item; and (column 2, lines 42-63, column 4, lines 4-22)

according to the result of said judgment, said inspection item judgment server makes said terminal download a predetermined program and/or data from said program

Art Unit: 3736

server, and thereby makes said detecting means operate according to said predetermined program and/or data. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

32. A vital signs detection system comprising:

a terminal having detecting means of detecting, vital signs corresponding to an inspection item; (column 2, lines 42-63, column 4, lines 4-22)

a program server of storing a program and/or data to make said detecting means to operate; and (column 2, lines 42-63, column 4, lines 4-22)

an inspection item judgment server of communicating with said terminal and thereby judging said inspection item according to said vital signs; (column 2, lines 42-63, column 4, lines 4-22)

wherein: when said detecting means detects said vital signs corresponding to a predetermined inspection item, said terminal transmits said vital signs to said inspection item judgment server; (column 2, lines 42-63, column 4, lines 4-22)

on receiving said detected vital signs, said inspection item judgment server judges said predetermined inspection item according to said vital signs, and according to the result of said judgment, determines whether the operation of said detecting means is to be continued or not; and (column 2, lines 42-63, column 4, lines 4-22)

when the result of said determination is the continuation of the operation of said detecting means, said inspection item judgment server makes said detecting means perform the same operation as previous, or alternatively, to download a predetermined

Art Unit: 3736

program and/or data from said program server and thereby operate according to said predetermined program and/or data. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

33. The vital signs detection system according to claim 31 or 32 wherein: said detecting means is connected to said terminal in an attachable and detachable manner; and in response to said download of said predetermined program and/or data, the type and/or the number of said detecting means connected to said terminal is changed. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

34. The vital signs detection system according to claim 31 or 32 wherein said download of said predetermined program and/or data is carried out in order to change said inspection item to which said operation of said detecting means corresponds. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

35. The vital signs detection system according to claim 31 or 32 wherein said download of said predetermined program and/or data is carried out in order to change the inspection method for the same inspection item to which said operation of said detecting means corresponds. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

36. The vital signs detection system according to claim 31 or 32 wherein: said

Art Unit: 3736

judgment by said inspection item judgment server is carried out according to specific vital signs as said vital signs, which is in specific relevance to said organism of detection target of said detecting means; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

said terminal is provided with an ID corresponding to said specific vital signs; and said inspection item judgment server refers to said ID of said terminal, and thereby carries out said judgment according to said specific vital signs. (column 15, line 15-58)

37. The vital signs detection system according to claim 36 wherein said ID is transmitted from said terminal to said inspection item judgment server, whereby said inspection item judgment server can refer to said ID. (column 15, line 15-58)

38. The vital signs detection system according to claim 36 wherein said inspection item judgment server retains said ID in advance. (column 15, line 15-58)

39. A terminal comprising detecting means of detecting, from an organism, vital signs corresponding to a predetermined inspection item, wherein

when at start-up, an inspection item judgment server for judging said inspection item according to said vital signs judges a predetermined inspection item according to said vital signs corresponding to said predetermined inspection item, (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

according to the result of said judgment, said terminal downloads a predetermined program and/or data from a program server for storing a program and/or data to make said detecting means operate, and thereby causes said detecting means to operate according to said predetermined program and/or data. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

40. A terminal comprising detecting means of detecting, from an organism, vital signs corresponding to inspection item, wherein:

when said detecting means detects a vital signs corresponding to a predetermined inspection item, said terminal transmits said vital signs to an inspection item judgment server of communicating with said terminal and thereby judging said inspection item according to said vital signs; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

on receiving said detected vital signs, said inspection item judgment server judges said predetermined inspection item according to said vital signs, and according to the result of said judgment, determines whether the operation of said detecting means is to be continued or not; and (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

when the result of said determination is the continuation of the operation of said detecting means, said inspection item judgment server makes said detecting means perform the same operation as previous, or alternatively, download a predetermined program and/or data from a program server for storing a program and/or data to make

Art Unit: 3736

said detecting means operate, and thereby operate according to said predetermined program and/or data. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

41. The terminal according to claim 39 or 40 wherein: said detecting means is connected to said terminal in an attachable and detachable manner; and

in response to said download of said predetermined program and/or data, the type and/or the number of said detecting means connected to said terminal is changed. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

42. The terminal according to claim 39 or 40 wherein said download of said predetermined program and/or data is carried out in order to change said inspection item to which said operation of said detecting means corresponds. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

43. The terminal according to claim 39 or 40 wherein said download of said predetermined program and/or data is carried out in order to change the inspection method for the same inspection item to which said operation of said detecting means corresponds. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

44. A terminal according to claim 39 or 40 wherein: said terminal is provided with an ID which corresponds to specific vital signs as said vital signs, in specific relevance to said organism of detection target of said detecting means and is thereby used for said

Art Unit: 3736

judgment by said inspection item judgment server; and (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

said inspection item judgment server refers to said ID of said terminal, and thereby carries out said judgment according to said specific vital signs. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47, column 15, lines 15-58)

45. A vital signs detection method comprising:

a step including a detecting step of detecting, from an organism, vital signs corresponding to an inspection item; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

a program storing step of storing a program and/or data to make detecting step carry out; and (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

an inspection item judging step of judging said inspection item according to said vital signs detected by said detecting step; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

wherein: when said detecting step is started, in said inspection item judging step, said predetermined inspection item is judged according to said vital signs corresponding to said predetermined inspection item; and (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

according to the result of said judgment, a predetermined program and/or data stored in said program storing step is downloaded for said step including said detecting step; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

whereby in said detecting step, operation is carried out according to said predetermined program and/or data. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

46. A vital signs detection method comprising:

a step including a detecting step of detecting, from an organism, vital signs corresponding to a predetermined inspection item; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

a program storing step of storing a program and/or data make said detecting step carry out; and (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

an inspection item judging step of judging said inspection item according to said vital signs detected by said detecting step; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

wherein: when said vital signs corresponding to said predetermined inspection item is detected in said detecting step, said vital signs is transmitted, in said step including said detecting step, to said inspection item judging step for processing; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

in said inspection item judging step, said predetermined inspection item is judged according to said detected vital signs, and according to the result of said judgment, it is determined whether said detecting step is to be continued or not; and when the result of said determination is the continuation of said detecting step, the same operation as previous is carried out in said detecting step, or alternatively, a predetermined program

Art Unit: 3736

and/or data stored in said program storing step is downloaded and thereby operation is carried out according to said predetermined program and/or data. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

47. A program of operating a computer as all or part of: said terminal having detecting means of detecting, from an organism, vital signs corresponding to a predetermined inspection item; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

said program server for storing a program and/or data to make said detecting means operate; and (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

said inspection item judgment server for communicating with said terminal and thereby judging said inspection item according to said vital signs; in said vital signs detection system according to claim 31. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

48. A program of operating a computer as all or part of:

said terminal having detecting means of detecting, from an organism, vital signs corresponding to a predetermined inspection item; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

said program server for storing a program and/or data to make said detecting means operate; and (column, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

Art Unit: 3736

said inspection item judgment server for communicating with said terminal and thereby judging said inspection item according to said vital signs; in said vital signs detection system according to claim 32. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

49. A computer-processable medium carrying a program of operating a computer as all or part of:

said terminal capable of being connected to detecting means of detecting vital signs; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

said program server for storing a program and/or data to make said detecting means to operate; and (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

said information server for communicating with said terminal; in said vital signs detection system according to claim 1. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

50. A computer-processable medium carrying a program of operating a computer as all or part of:

said terminal having detecting means of detecting, from an organism, vital signs corresponding to a predetermined inspection item; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

Art Unit: 3736

said program server for storing a program and/or data of operating said detecting means operate; and said inspection item judgment server for communicating with said terminal and thereby judging said inspection item according to said vital signs; in said vital signs detection system according to claim 31. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

51. A computer-processable medium carrying a program of operating a computer as all or part of:

said terminal having detecting means of detecting, from an organism, vital signs corresponding to a predetermined inspection item; (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

said program server for storing a program and/or data for causing said detecting means to operate; and said inspection item judgment server for communicating with said terminal and thereby judging said inspection item according to said vital signs; in said vital signs detection system according to claim 32. (column 2, lines 42-63, column 4, lines 4-22, column 7, lines 6-47)

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohamed Ahmed whose telephone number is 571-272-1537. The examiner can normally be reached on Monday - Friday 9 am - 5 pm.

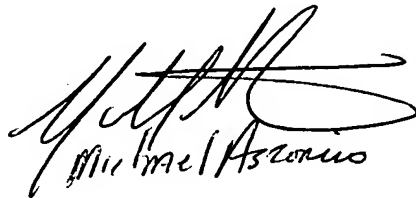
Art Unit: 3736

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Max Hindenburg can be reached on 571-272-4726. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mohamed Ahmed
Examiner
Art Unit 3736

February 26, 2007



Michael Ascorio